

Form MR-REV-att (DOGM - Revise/Amend Change Form)  
(Revised September 14, 2005)

## Application for Mineral Mine Plan Revision or Amendment

Operator: STAKER AND PARSON COMPANIES			
Mine Name: ROCKY POINT		File Number: M/003 /0079	
Provide a detailed listing of all changes to the mining and reclamation plan that will be required as a result of this change. Individually list all maps and drawings that are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise or amend the existing Mining and Reclamation Plan. Include page, section and drawing numbers as part of the description.			
DETAILED SCHEDULE OF CHANGES TO THE MINING AND RECLAMATION PLAN			
			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	NOI COVER PAGE
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	NOI PAGES 5,6,8,9, 36
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	NOI SURETY CALCULATION TABLE OF CONTENTS
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	NOI SURETY CALCULATION WORKSHEET PAGES 2-16
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
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I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments and obligations herein.

Randy Anderson  
Print Name

Raf Anderson  
Sign Name, Position

President  
4/29/11  
Date

## Return to:

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
Phone: (801) 538-5291 Fax: (801) 359-3940

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FOR DOGM USE ONLY:	
File #:	M/ /
Approved:	
Bond Adjustment: from (\$)	
to \$	

Instructions - Amend or Revise Mining Plan

RECEIVED

Page 3 of 3

MAY 02 2011

DIV. OF OIL, GAS &amp; MINING



Staker & Parson Companies  
Notice of Intention to Commence  
Large Mining Operations  
**M/003/0079**



Staker & Parson Companies  
PO Box 3429  
Ogden, UT 84409



**Rule R647-4-104 - Operator(s), Surface and Mineral Owners**

The Permittee / Operator must provide the name, address and telephone number of the individual or company who will be responsible for the proposed operation. If a company is to be listed as the Permittee / Operator, then the name of the corporate officers need to be provided.

**1. Mine Name: Rocky Point Gravel Mine****2. Name of Permittee/ Operator/ Applicant: Staker & Parson Companies**

Contact (Authorized Officer); Randy Anderson

Company ( ) Corporation (X) Partnership ( ) Individual ( )

A corporation must be registered with the State of Utah, Division of Corporations. Are you currently registered to do business in the State of Utah? X Yes No

Business License # 8

Registered Agent (as identified on your business license): Randy Anderson

Address: 2350 S 1900W  
Ogden, UT 84401

Phone: 801-731-1111 Fax: 801-731-8800

**3. Permanent Address: 2350 S 1900W Ogden, UT 84401**

Phone: 801-731-1111 Fax: 801-731-8800

**4. Company Representative (or designated operator):**

Name: Patrick Clark

Title: Environmental Advisor

Address: PO Box 3429 Ogden, UT 84409

Phone: 801-409-2415 Fax: 801-731-8800

**5. Location of Operation: County(ies) Weber/ Box Elder**

Western 1/2 of Section: 13 Township: 7N Range: 2W

SE 1/4, Section: 14 Township: 7N Range: 2W

NW 1/4, Section: 24 Township: 7N Range: 2W

The names of the surface and mineral owners for any areas which are to be impacted by mining must be provided to the Division. This list should include all private, state and federal ownership and the owners of lands immediately adjacent to the project areas.

**6. Ownership of the land surface (circle all that apply): Private (Fee), Public Domain (BLM), National Forest (USFS), State of Utah (SITLA) or other:**

Name: Staker & Parson Companies Address: PO Box 3429 Ogden, UT 84409

**Owner(s) of record of the minerals to be mined (circle all that apply):** Private (Fee), Public Domain (BLM), National Forest (USFS), State of Utah (SITLA) or other:



Name: Staker & Parsons Companies Address: PO Box 3429 Ogden, UT 84409

**7. BLM Lease or Project File Number(s) and/or USFS Assigned Project Number(s): N/A**

**BLM Claim Numbers: N/A**

**Utah State Lease Number(s): N/A**

**Name of Lessee(s): N/A**

**8. Adjacent land owners:  
Weber County:**

PARCEL ID	NAME ONE	STREET 1	CITY STATE	ZIPCODE	Phone Number
190010018	BUTTERS, KENT E &	760 N HARRISVILLE	OGDEN UT	84404	801-782-3770
190150067	VIEYRA, SERGIO R	1902 W PLEASANT VIEW DR	OGDEN UT	84414	
190150038	HORTON, RON EDWIN & WF	1752 W PLEASANT VIEW DR	OGDEN UT	84404	801-721-4171
190150040	CHAMBERLAIN, WILLIAM M &	HCR 63 BOX 1-B	HAMMETT ID	83627	
190150051	NEILSON, PAUL R & WF	1806 W PLEASANT VIEW DR	OGDEN UT	84414	801-786-8503
190150060	CHILD, HEBER H & WF	1866 W PLEASANT VIEW DR	OGDEN UT	84414	801-782-2140
190150039	HORTON, MICHAEL R & WF	1766 W PLEASANT VIEW DR	OGDEN UT	84414	
190020001	UTAH POWER AND LIGHT COMPANY	P O BOX 899	SALT LAKE CITY UT	84110	1-888-221-7070
190010019	BONA VISTA WATER IMPROVEMENT	2020 W 1300 N	OGDEN UT	84404	801-621-0474
190150044	STURGEON, WALTER W &	1888 W PLEASANT VIEW DR	OGDEN UT	84414	801-782-4195
190150045	LICHFIELD, MARK W	1890 PLEASANT VIEW DR	OGDEN UT	84414	
190120002	MAUGHN, ERIC & WF	1396 W PLEASANT VIEW DR	OGDEN UT	84414	801-782-5880
190150055	SKY LINER LLC	P O BOX 3085	OGDEN UT	844091085	
190010016	LARSEN, JERRY V &	1255 E 2925 N	OGDEN UT	84414	801-782-6248
190020003	WESTSIDE INVESTMENTS LC	5238 W 2150 N	OGDEN UT	84404	801-731-7252
190150055	SKY LINER LLC	P O BOX 3085	OGDEN UT	844091085	
190020002	UTAH POWER AND LIGHT COMPANY	P O BOX 899	SALT LAKE CITY UT	84110	
190150042	COUNTRY MUTUAL LIFE	1800 W PLEASANT VIEW	OGDEN UT	84414	
190020020	UTAH POWER & LIGHT CO.	P O BOX 899	SALT LAKE CITY UT	84110	
190150036	CRAIG & COMPANY CUSTOM HOMES	2521 E COBBLESTONE WAY	SANDY UT	84093	
190150046	UNDERWOOD, CONNIE	1862 W PLEASANT VIEW DR	OGDEN UT	84414	801-782-2539
190150066	BURTON, JAMES & WF	3888 HWY 89	PLEASANT VIEW UT	84414	
190010003	ONE HUNDRED ELEVEN BAR (111)	3243 N 400 W	OGDEN UT	84404	
160320016	INVESTORS ASSOCIATES LLC	2363 S FOOTHILL DR	SALT LAKE CITY UT	84109	
190150001	ANDERSEN, RODNEY J	3942 N 1350 W	OGDEN UT	84414	
191400001	HANLINE, DAVID R	294 E 3100 N	OGDEN UT	84414	
190110135	LARSEN, LOIS R TRUST 1/2 ETAL	3860 N 1100 W	OGDEN UT	84414	801-782-6248
190110088	PLEASANT VIEW CITY	885 W PLEASANT VIEW DR	OGDEN UT	84414	801-782-8176
190150003	ANDERSON, RODNEY J	3902 N HWY 89	PLEASANT VIEW UT	84404	
190150001	ANDERSEN, RODNEY J	3942 N 1350 W	OGDEN UT	84414	
190150002	ANDERSEN, RODNEY J	3942 N 1350 W	OGDEN UT	84414	
190110137	LARSEN, LOIS R TRUSTEE	3860 N 1100 W	OGDEN UT	844141332	801-782-6248



## Rule R647-4-105 - Maps, Drawings & Photographs

### 105.1 - Base Map

A complete and correct topographic base map (or maps) with appropriate contour intervals must be submitted with this notice showing all of the items on the following checklist. The scale should be approximately 1 inch = 2,000 feet (preferably a USGS 7.5 minute series or equivalent topographic map where available). The map(s) must show the location of lands to be affected in sufficient detail to allow measurement of the proposed area of surface disturbance.

#### Base Map Checklist

Please check off each section to verify these features are included on the map(s) or explain why it is not applicable. Please add the map identification name or number which shows these features. The base map is labeled 'Base Map' in the lower right hand corner of the map.

Map I shows the general location of the mine.

Map II is the Base Map.

- (a) Property boundaries of surface ownership of all lands which are to be affected by the mining operations;

The black dashed boundary on the base map is the property currently owned by Staker & Parson Companies. This area equals 453 acres. However, not all 453 acres will be affected by mining. The base map (Map II – Section 105.1) shows the areas to be affected by mining and these areas equal 145 acres. Thirty-three acres below the Ogden-Brigham Canal will be disturbed by mining in addition to two acres that will be used to stockpile fines for reclamation (Phase One). One hundred seven (107) acres will be affected by mining above the Ogden-Brigham Canal, as well as 3 acres needed for the stockpiling of reclamation fines. About 100 acres have been previously impacted by gravel mining, executed by previous land owners. Twenty-six of these 100 acres are below the canal (Phase One) and 76 of these acres are above the canal (Phase Two).

- (b) Perennial, intermittent, or ephemeral streams, springs and other bodies of water; roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells or boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations;

An intermittent stream runs along the North side of the property.

No springs or other bodies of water are on the property. There is a pond 1020 feet West of the lower pit across Highway 89. Water right number 35-5550 (red dot just outside the southern boundary of the property) is a water well that is 3900 feet from the base of the bottom pit. Water lies 11 feet below the surface at that well (tested in 1992). Water right number 29-1766 (green dot 4900 feet to the north of the property) is also a water well that reaches water 78 feet below the surface. Water right number 29-1236 is a water well that is 4500 feet north of the property where water lies 8 feet below the ground surface.

The roads shown on the base map are Highway 89 that runs directly adjacent to the property and the major access roads that the operators use to reach the quarry.

The building on the property is the office at the base of the quarry that is the size of a



double wide trailer.

There is no landing strip on the property.

A Rocky Mountain Power transmission line runs southwest to northeast on the property, and this power line will remain throughout and after mining operations.

There is a Questar gas line that runs adjacent to the Ogden- Brigham Canal that runs North to South through the property.

There are no existing wells or boreholes on the property.

- (c) Proposed route of access to the mining operations from nearest publicly maintained highway (Map scale appropriate to show access);

The proposed route of access is the red road with an 'X' through the red line on the base map.

- (d) Known areas which have been previously impacted by mining or exploration activities within the proposed land affected;

There is approximately 100 acres of land that have been previously mined for gravel over the property for approximately 40 to 50 years. The property below the gas line was mined by the Ortens for many years until Marriott Rock Products bought the property several years ago.

The mine was bought in March of 2011 by Staker and Parson Companies. The property above the canal has been mined intermittently for gravel, pit run and landscape rocks for at least the last 50 years.

- (e) Areas proposed to be disturbed or reclaimed over the life of the project or other suitable time period.

The area to be disturbed and reclaimed over the life of the project is demarcated with red hatch. The area consists of a total of approximately 145.5 acres. However, the first phase of the mining shall only include the area below the gas line (33.5 acres), and the areas that will be used for the topsoil stockpiles (total of two acres). This is shown on Map VIII - Reclamation Phase I in Section 110.5



In the previously mined areas (Phase Two), the operator has constructed a number of berms at the base of slopes to capture loosened and falling rock. To assure post mining slopes are achieved, a surveyor will place reference points within the mining area to assure operators do not exceed slope steepness and confirm the area needed for the desired post mining configuration.

Excavation will not occur within 10 feet of the Questar Gas line that runs north/south through the property. When blasting occurs, the Rocky Point Mine follows industry standards for predicted vibrations by using the Scaled Distance Formula with a Blastmate IIII monitoring device to assure vibrations do not exceed limits that may disturb the gas line. The peak particle velocity is not to exceed 2 inches/second during blasting as per Questar and the Bureau of Reclamation. Questar and the USBR are well aware of the mining operations at the Rocky Point Mine and are on the property for regular maintenance.

The mine currently operates under air quality permit DAQE-AN0122420006-09. Appendix D includes a copy of the air quality permit. The mine and the mining process produces exhaust/ dust each day. Control measures include water spray on the screens, crushers and conveyers as necessary and watering and/or application of magnesium chloride on the mine roads to reduce air borne dust particles.

At present, several temporary sediment collection ponds and temporary slope drains are in place to capture sediment and stormwater (See facilities map and Operation Practices for photos). A Stormwater Pollution Prevention Plan is attached as Appendix B to address erosion and sediment control going forward. The operations areas, processing areas, haul road, storage areas, and all other disturbed areas will be graded to direct storm water toward containment and infiltration areas. Runoff that doesn't flow directly into the runoff containment areas will be intercepted by ditches located along the haul roads. Sediment basins are currently located at locations along the ditches where it is convenient for a backhoe to remove the accumulated sediment. The primary purpose of the sediment basins is to keep most of the sediment out of the areas where it may interfere with infiltration or it may be less convenient to manage. Discharge from the sediment basins continues in haul road ditches until it eventually directed to the excavated runoff containment areas.

These basins will have sufficient capacity to contain the runoff from a 25-year 24 hour storm event without consideration of infiltration rates.

Haul roads at the mine are between 8 and 9%, and are bladed and re-graded on a regular basis to assure no blocking or restrictions impede drainage or adversely affect the haul road effectiveness.

Public health and safety are consistently being addressed at the mine. First, traffic from Highway 89 can no longer turn directly into the mine coming from the north. High volumes of truck traffic coming into and leaving the pit made this turn dangerous to all traffic on Highway 89. As a result, concrete barriers have been placed across the highway to assure no traffic comes into the mine from the north.

More private property/ no trespassing signs will be erected at the entrances to the mine



## Staker & Parson Companies Rocky Point Surety Calculation

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## Staker & Parson, Rocky Point

### R647-4-113 - Total Estimated Surety Summary

#### Bonding Calculations

#### Direct Costs

Subtotal Demolition and Removal, Demolition sheets, 8 pages	\$69,727
Subtotal Backfilling and Grading, Earthwork sheets, 5 pages	\$97,592
Subtotal Revegetation & misc, 1 page.	\$39,400
Direct Costs	<u>\$206,719</u>

#### Indirect Costs

Mob/Demob	\$20,672	10.0%
Contingency	\$10,336	5.0%
Engineering Redesign	\$5,168	2.5%
Main Office Expense	\$14,057	6.8%
Project Mainagement Fee	\$5,168	2.5%
Subtotal Indirect Costs	<u>\$55,401</u>	26.8%

Total Cost 2009	\$262,120	
number of years		5
escalation factor		0.038
Escalation	\$18,469	

Reclamation Cost Escalated	\$280,589
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Bond Amount (rounded to nearest \$1,000)	\$281,000
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Addition of permit (5 acres) S/003/0073 @ \$8,500/acre	\$42,500
Addition of permit (5 acres) S/003/0078 @ \$8,500/acre	\$42,500

<b>TOTAL BOND AMOUNT</b>	<b>\$366,000</b>
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**R647-4-113 - Surety**

includes R647-4-113  
tasks

- |   |  |
|---|--|
| 1) Clean-up and removal of structures                                 |  |
| 6) Demolition, removal or burial of facilities/structures             |  |
| 11) General Site Clean-up and removal of trash and debris             |  |
| 12) Removal/disposal of hazardous materials                           |  |
| 13) equipment mobilization (included in means cost estimates)         |  |
| 14) Supervision during reclamation (included in means cost estimates) |  |

[illegible]



Staker & Parson, Rocky Point

R647-4-113 - Surety

Demolition item 1, Scale House

R647-4-113 task (14 included in est.)	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Structure's Demolition Cost																			
6	Structure's Vol. Demolished	Mixed building mats, average	02 41 16.13	0.31	CF	40	50	20			40000							40000	CF	\$12,400
	Rubble's Weight (exclude steel)																0.3	444	CY	
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
1	Disposal Cost Non Steel	Selective Demolition, Disposal, wood frame	02 41 19.18 0500	18.15	/CY													444	CY	\$8,059
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Disposal Cost																			
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
6	Concrete's Vol. Demolished	concrete slab on grade	02 41 16.17 0280	4.51	CF	38	27.5	0.5			522.5					C.F.	0	522.5	C.F.	\$2,356
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			\$22,815



Staker & Parson, Rocky Point

R647-4-113 - Surety

Demolition item 2, Crushers and Screens

R647-4-113 task (14 included in est.)	Description	Materials 3 Cone Crushers, 2 jaw crushers, 4 screens	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Deduct 50% no interior walls	crusher and screens																		
	Structure's Demolition Cost																			
6	Structure's Vol. Demolished	large bld demo, incl 20 mi haul, steel	02 41 16 0020	0.29	C.F.	50	20	20			20,000					C.F.	1.3	26,000	C.F.	\$7,540
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
1.6	Disposal Cost Steel	urban bldg., salvage value allowed, steel fram	02 41 19.18 0200	10.4	CY													963	CY	\$10,015
	Subtotal																			
	Equipment's Disposal Cost																			
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			\$17,558



Staker & Parson, Rocky Point

R647-4-113 - Surety

Demolition item 3, Stackers and Conveyors

R647-4-113 task (14 included in est.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Deduct 50% no interior walls	stackers & conveyors - 800 feet total																		
	Structure's Demolition Cost																			
6, 1	Structure's Vol. Demolished	large bld demo, incl 20 mi haul, steel	02 41 16 0020	0.29	C.F.	800	5	3			12,000					C.F.	1.3	15,600	C.F.	\$4,524
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
6.1	Disposal Cost Steel	urban bldg., salvage value allowed, steel frame	02 41 19.18 0200	10.4	CY													578	CY	\$6,009
	Subtotal																			
	Equipment's Disposal Cost																			
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition	tower foundation	02 41 16.17 1000	13.55	L.F.	64	3	1.5			288					C.F.		288	C.F.	\$3,902
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			\$14,435



Staker & Parson, Rocky Point

R647-4-113 - Surety

Demolition item 4, Fuel Storage

R647-4-113 task (14 included in est.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Deduct 50% no interior walls																			
	Structure's Demolition Cost																			
1, 6, 12	Structure's Vol. Demolished	Selective Demolition, Disposal Only	02.41 19.18 0200	10.4	C.Y.	10			6		10					CY				\$109
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Disposal Cost																			
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			\$109



Staker & Parson, Rocky Point

R647-4-113 - Surety

Demolition item 5, Lubrication Shed

R647-4-113 task (14 included in est.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Deduct 50% no interior walls																				
1.6	Structure's Demolition Cost	Building Demolition Small	02 41 16.13 0500	0.31	C.F.	20	20	10			4000							1.3	5200	C.F.	\$1,612
	Structure's Vol. Demolished																				
	Rubble's Weight (exclude steel)																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
1.6	Disposal Cost Non Steel	Selective Demolition Dump Charges	02 41 19.19 0100	104.5	ton							10				ton				\$1,045	
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																				
	Equipment's Disposal Cost																				
	Dismantling Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Total																			\$2,657	



Staker & Parson, Rocky Point

R647-4-113 - Surety

Demolition item 6, Electrical Service

R647-4-113 task (14 included in est.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
		electrical service																		
	Deduct 50% no interior walls																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
1, 6	Equipment's Disposal Cost	utility poles and cross arms 35'-45' high	02 41 13.8 0100	297	EA											5 EA				\$1,485
	Dismantling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
1, 6	Disposal Costs	selective demolition dump charges trees brush lumber	02 41 19.19 0200	78.65	Ton							30				ton				\$2,360
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			\$3,845



Staker & Parson, Rocky Point

R647-4-113 - Surety

Demolition item 7, Scale

R647-4-113 task (14 included in est.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
		truck scale																		
	Deduct 50% no interior walls																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment's Disposal Cost																			
	Dismantling Cost																			
1,6	Equipment's Vol. Demolished	large bld demo, incl 20 mi haul, steel	02 41 16 0020	0.29	C.F.	100	12	2			2,400					C.F.	1.3	3,120	C.F.	\$905
	Loading Costs																			
	Transport Costs																			
1,6	Disposal Costs	urban bldg., salvage value allowed, steel frame	02 41 19,18 0200	10.4	CY													116	CY	\$1,202
	Subtotal																			
		concrete footing																		
	Concrete Demolition																			
	Demolition Cost																			
1,6	Concrete's Vol. Demolished	building demolition footings & foundations	02 41 16,17 1080	16.25	LF	368										LF	0	368	LF	\$5,980
	Loading Cost																			
	Transportation Cost																			
1,6	Disposal Costs	Selective Demolition, Disposal Only	02 41 19,18 0015	10.4	C.Y.	224	2	1			17					C.Y.	1.3	22	CY	\$224
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			\$8,311



<b>Staker &amp; Parson, Rocky Point</b>		
<b>R647-4-113 - Surety</b>		
<b>Earthwork totals (see pages for Earthwork tasks 1-4)</b>		
includes R647-4-113 tasks 2) Backfilling, grading and contouring 3) Soil material redistribution and stabilization 7) Regrading, ripping of waste dump tops and slopes 8) Regrading/ripping stockpiles, pads, and other compacted areas 9) ripping pit floors and access roads 14) Supervision during reclamation		
<b>task</b>	<b>refer to:</b>	<b>Cost</b>
Loading fines / growth media from stockpiles into trucks for hauling to 29 acre Phase One Area. (task 3 above)	Earthwork Task 1	\$84,479
Loading fines / growth media from stockpiles into trucks hauling, and spreading over Phase One, Lower Bench, 1,613 LCY, 2.2 acres. (task 3 above)	Earthwork Task 2	\$3,019
Loading fines / growth media from stockpiles into trucks hauling, and spreading over Phase One, Upper Bench, 1,613 LCY, 2.2 acres. (task 3 above)	Earthwork Task 3	\$3,019
Ripping 1,700 feet of road for seed bed preparation. D6N dozer, 150 hp. Ripping 1,700 feet of road, 20' wide, 7" rippers (task 9 above).	Earthwork Task 4	\$7,075
<b>Subtotal</b>		<b>\$97,592</b>

**R647-4-113 - Surety**

**Earthwork totals (see pages for Earthwork tasks 1-4)**

- includes R647-4-113 tasks
- 2) Backfilling, grading and contouring
- 3) Soil material redistribution and stabilization
- 7) Regrading, ripping of waste dump tops and slopes
- 8) Regrading/ripping stockpiles, pads, and other compacted areas
- 9) ripping pit floors and access roads
- 14) Supervision during reclamation

task	refer to:	Cost
Loading fines / growth media from stockpiles into trucks for hauling to 29 acre Phase One Area. (task 3 above)	Earthwork Task 1	\$84,479
Loading fines / growth media from stockpiles into trucks hauling, and spreading over Phase One, Lower Bench, 1,613 LCY, 2.2 acres. (task 3 above)	Earthwork Task 2	\$3,019
Loading fines / growth media from stockpiles into trucks hauling, and spreading over Phase One, Upper Bench, 1,613 LCY, 2.2 acres. (task 3 above)	Earthwork Task 3	\$3,019
Ripping 1,700 feet of road for seed bed preparation. D6N dozer, 150 hp. Ripping 1,700 feet of road, 20' wide, 7' rippers (task 9 above).	Earthwork Task 4	\$7,075
Subtotal		\$97,592



Staker & Parson, Rocky Point

R647-4-113 - Surety

Earthwork Task 1

Loading fines / growth media from stockpiles into trucks hauling, and spreading over 29 acre Phase One Area, 47,000CY

task equipment	R647-4-113 task	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Loading																
Cat 980G loader	3	10,265.00	51.70	0.1	60.10	181.10	1	181.1	\$/hr	47000	CY	321	CY/hr	146	Hr.	\$26,441
Hauling																
Cat 735 Articulated dump truck	3	12,750.00	50.10	0.1	47.35	182.1475	2	364.3	\$/hr	47000	CY	363	CY/hr	129	Hr.	\$46,995
Spreading																
Cat 14H Motor Grader	3	10,655.00	45.50	0.1	61.10	176.74	1	176.74	\$/hr	29	acres	2.2	acres/hr	13	Hr.	\$2,298
Foreman Average, Outside	14					59.9	1	59.9	\$/HR					146	HR	8745
																\$84,479















Staker & Parson, Rocky Point

R647-4-113 - Surety

tasks: 4) Revegetation (preparation, seeding, mulching), 11) General Site Clean-up, 5) safety gates berms, barriers, etc.

R647-4-113 task	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
4	Phase 1 area, 29 acres			\$1,000	acre					29						AC		29	acre	\$29,000
	Subtotal																			\$29,000
4	Upper bench area, 2.2 acres			\$1,000	acre					2.2						AC		2.2	acre	\$2,200
	Subtotal																			\$2,200
4	Lower bench area, 2.2 acres			\$1,000	acre					2.2						AC		2.2	acre	\$2,200
	Subtotal																			\$2,200
11	General Site Clean-up and removal of trash and debris			\$3,000																\$3,000
	Subtotal																			\$3,000
5	Safety Gates, berms, barriers, signs, etc.			\$3,000																\$3,000
	Subtotal																			\$3,000
	Subtotal																			\$0
	Subtotal																			\$0
	Total																			\$39,400